IN THE CLAIMS:

Claims 1-30. (canceled)

31. (currently amended) An electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer, including: a writing input portion; a covering frame provided around the periphery of the electronic whiteboard; and a control circuit; wherein[[,]] the writing input portion has a multilayer structure and is enclosed ~~in~~ by the frame, ~~the~~ said writing input portion includes a surface writing layer, an underlayer, and an input induction layer which is provided between the surface writing layer and the underlayer and is connected to ~~the~~ a control circuit by its output, characterized ~~by~~ in that: ~~the~~ said induction layer ~~may be the~~ comprises an antenna array etched or printed on ~~the~~ an insulation membrane and arranged along with ~~the~~ X, Y axes of the electronic whiteboard, ~~therein the~~ wherein an area enclosed by each lattice unit formed by the antenna array constitutes one induction cell; ~~the~~ said insulation membrane ~~may be~~ is a film material.

32. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 31, characterized ~~by~~ in that: a shield layer is provided after the induction layer in order to enhance the anti-interference ability of the device.

33. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 31, characterized ~~by~~ in that: a buffering layer is provided between the induction layer and the underlayer, or a buffering layer is provided between the induction layer and the shield layer, and the buffering layer is used to keep a space among the induction layer, the writing surface and the shield layer.

34. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 31, characterized ~~by~~ in that: ~~the said induction layer may be~~ the antenna array is formed by etching ~~the~~ a copper-platinum covering on the insulation membrane.

35. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 31, characterized ~~by~~ in that: ~~said induction layer is an~~ the antenna array is formed by ~~the~~ a silver paste or ~~the~~ a mixture ~~material~~ of

~~the~~ silver paste and ~~the~~ carbon paste which is printed on the insulation membrane~~; the induction layer can be printed on two surfaces of the insulation membrane, or printed on one surface of the insulation membrane, and there are two layers of insulation membrane in which one is overlaid on the other~~.

36. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 31, characterized ~~by~~ in that: said induction layer consists of two or more layers, and the induction cell on respective induction layers are set to interlace each other; ~~the~~ interval sizes of ~~the~~ said induction cells on respective layers ~~may be~~ are same or different.

37. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim ~~36~~ 31, characterized ~~by~~ in that: ~~the~~ said induction layer ~~can be~~ is made up by a plurality of pieces of membrane with antenna array formed thereon by etching or printing, wherein ~~the~~ a X-Y directional antenna array eduction electrical connection means ~~are~~ is provided on each piece of membrane, and said each piece of membrane is connected by means of the ~~wire~~ X-Y directional antenna array eduction electrical connection means.

38. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 37, characterized ~~by~~ in that: said X-Y directional antenna array eduction electrical connection ~~connecting~~ means is one of the following: pin-type connection means, flexible printed circuit means, PIN-PIN connection means, welding spot (VGA) thermal-melted connection means, ultrasonic welding device, solder-plate welding device, puncture-type connection means.

39. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 31, characterized ~~by~~ in that: ~~the said~~ components of the control circuit are mounted on a printed circuit board which is separated from the induction layer, the output of the antenna array of the induction layer is connected to ~~the~~ a corresponding input terminal on the printed circuit board by means of pressure-connection, plug-in connection or welding-connection.

40. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 39, characterized ~~by~~ in that: the ~~said~~ output of the antenna array of the induction layer is positioned between a hard sheet and ~~a~~ the

printed circuit board; a buffering layer used to keep a space between the hard sheet and the output of the antenna array is provided between the hard sheet and the output of the antenna array; the hard sheet, buffering layer and the output of the antenna array are overlaid on the printed circuit board by means of the screwing-conjunction; the output of the antenna array is connected with the corresponding input terminal on the printed circuit board.

41. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 31, characterized ~~by~~ in that: the control circuit is positioned outside the body of the electronic whiteboard, and connected to the body through ~~the~~ an electrical connection means; the output of the antenna array of the induction layer is connected with ~~the~~ an output interface of the induction layer by means of pressure-connection, plug-in connection or welding-connection; on the control circuit, an interface which ~~can~~ matches the electrical connection means of the induction layer is provided.

42. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 41, characterized ~~by~~ in that: ~~the~~ said output of the antenna array of the induction layer is positioned between a hard sheet and a printed circuit board; a buffering layer used to keep a space between the hard sheet and the output of the antenna array is provided between the hard sheet and the output of the antenna array; the hard sheet, the buffering layer and the output of the antenna array are overlaid on the printed circuit board by means of ~~the~~ screwing-conjunction; the output of the antenna array is connected with a corresponding input terminal on the electrical connection means.

43. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 41, characterized ~~by~~ in that: the output interface of the induction layer and the interface of the control circuit ~~may be~~ are one of the following: pin-type connection means, flexible printed circuit means, PIN-PIN connection means, welding spot (VGA) thermal-melted connection means, ultrasonic welding device, solder-plate welding device, puncture-type connection means.

44. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 31, characterized ~~by~~ in that: a bracket is provided outside the ~~body~~ frame, and the body of the electronic whiteboard is mounted on the bracket.

45. (currently amended) The electronic whiteboard with built-in membrane antenna array

lattice electromagnetic induction layer according to claim 44, characterized ~~by~~ in that: ~~the~~ said control circuit is positioned in the bracket, the interface of the control circuit is set on the bracket, and the output interface of the induction layer is set at a place in the body of the electronic whiteboard corresponding to the interface of the control circuit.

46. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 31, characterized ~~by~~ in that: ~~the~~ said writing input portion and the covering frame around ~~the~~ said writing input portion ~~is~~ are made by flexible and windable material; so that the body of the electronic whiteboard can be furled and carried conveniently.

47. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 46, characterized ~~by~~ in that: one side edge of the body ~~are~~ is set into a spool and fixed; wring-springs are mounted on ~~the~~ both ends of the spool for winding up the body; a fixing buckle is provided on another side edge of the body.

48. (currently amended) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 47, characterized ~~by~~ in that: said control circuit ~~can be~~ is provided in the spool.

49. (new) The electronic whiteboard with built-in membrane antenna array lattice electromagnetic induction layer according to claim 31, characterized in that: the induction layer is printed on two opposite surfaces of the insulation membrane.